Vaccine Booking Application



Premises



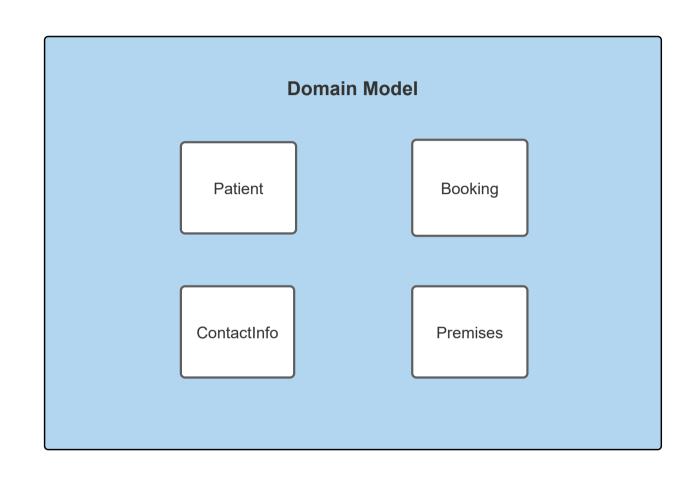
Nurse

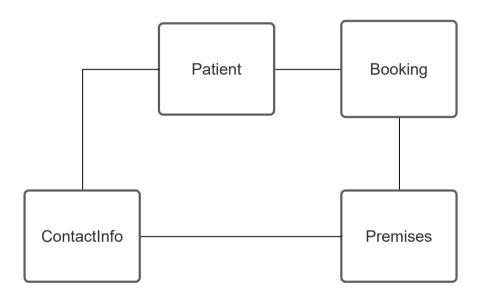
Booked Time



Martin







UML Class Diagram

Patient

- id:String
- ssn:String
- firstName:String
- lastName:String
- birthDate:LocalDate

ContactInfo

- id:String
- email:String
- phone:String

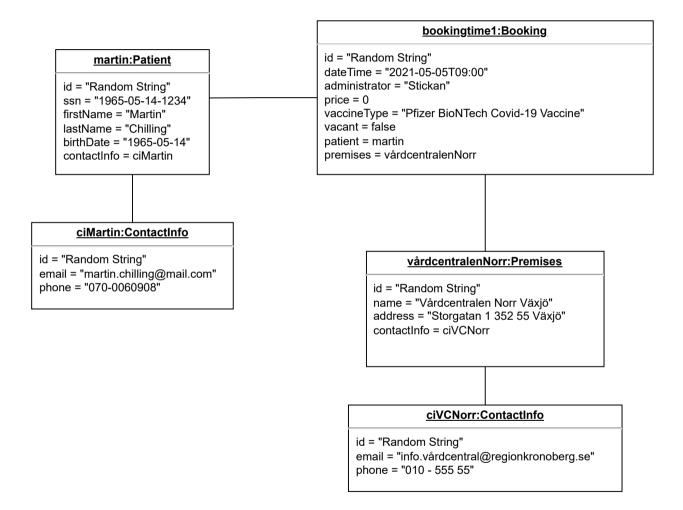
Booking

- id:String
- dateTime:LocalDateTime
- price:double
- administrator:String
- vaccineType:String
- vacant:boolean

Premises

- id:String
- name:String
- address:String

UML Object Diagram



bookingtime2:Booking

id = "Random String"
dateTime = "2021-05-05T09:02"
price = 0
administrator = "Stickan"
vaccineType = "Pfizer BioNTech Covid-19 Vaccine"
vacant = true
patient = null
premises = vårdcentralenNorr



CRUD - Create Read Update Delete

<<Interface>> PatientDAO

- + create(Patient): Patient+ findAll(): Collection<Patient>+ findByld(String): Patient
- + delete(String): boolean
- + findPatientByBirthDateBefore(LocalDate):Collection<Patient>

<<Interface>> ContactInfoDAO

- + create(ContactInfo): ContactInfo
 + findAll(): Collection<ContactInfo>
- + findByld(String): ContactInfo + delete(String): boolean
- + findByEmail(String): ContactInfo

<<Interface>> BookingDAO

- + create(Booking): Booking + findAll(): Collection<Booking> + findByld(String): Booking
- + delete(String): boolean
- + findBookingByDateBetween(LocalDate,LocalDate): Collection<Booking>
- + findBookingByDateAfter(LocalDate): Collection<Booking>
- + findBookingByDateBefore(LocalDate): Collection<Booking>
- + findBookingByPatientId(String): Collection<Booking>
- + findBookingByPremisesId(String): Collection<Booking>
- + findBookingByVaccineType(String): Collection<Booking>

<<Interface>>

PremisesDAO

- + create(Premises): Premises
- + findAll(): Collection<Premises>
- + findByld(String): Premises
- + delete(String): boolean
- + findPremisesByName(String): Collection<Premises>
- + findPremisesByAddress(String): Collection<Premises>